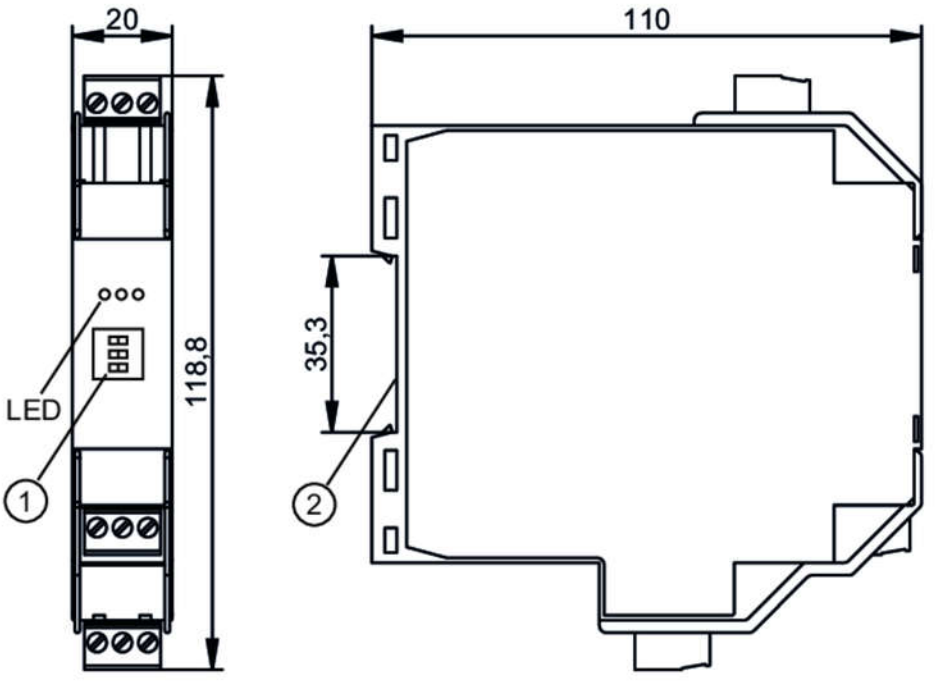
N0537A

Switching amplifiers for Namur sensors

NV1122/24VDC/TR/1D/1G



1 selector switch
2 mounting on DIN rail

Product characteristics		
Number of inputs and outputs		Number of digital outputs: 2
Application		
Application		short-circuit monitoring; Wire monitoring
Electrical data		
Operating voltage tolerance	[%]	-15...25
Operating voltage	[V]	24 DC
Current consumption	[mA]	< 50
Number of channels		1
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 2
Outputs		
Electrical design		PNP
Number of digital outputs		2
Max. voltage drop switching output DC	[V]	3.5
Max. current load per output	[mA]	100
Switching frequency DC	[Hz]	5000
Short-circuit proof		yes
Operating conditions		
Ambient temperature	[°C]	-20...60

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Protection		IP 20	
Tests / approvals			
Approval		FIDI 20 ATEX 0022X; IECEx FIDI 20.0003X	
ATEX marking		II 3 (1) G Ex nA [ia Ga] IIC T4 Gc	
		II (1) D [Ex ia Da] IIIC	
		I (M1) [Ex ia Ma] I	
EMC		NE 21	(2012)
		EN 61326-3-2	(2008)
MTTF	[years]	345	
Mechanical data			
Weight	[g]	180.4	
Displays / operating elements			
Display		switching status	LED, yellow
		operation	LED, green
		function	LED, red
Remarks			
Remarks		Caution The switching amplifier has to be mounted according to the requirements of the operating instructions	
		Free terminals must not be used.	
Pack quantity		1 pcs.	

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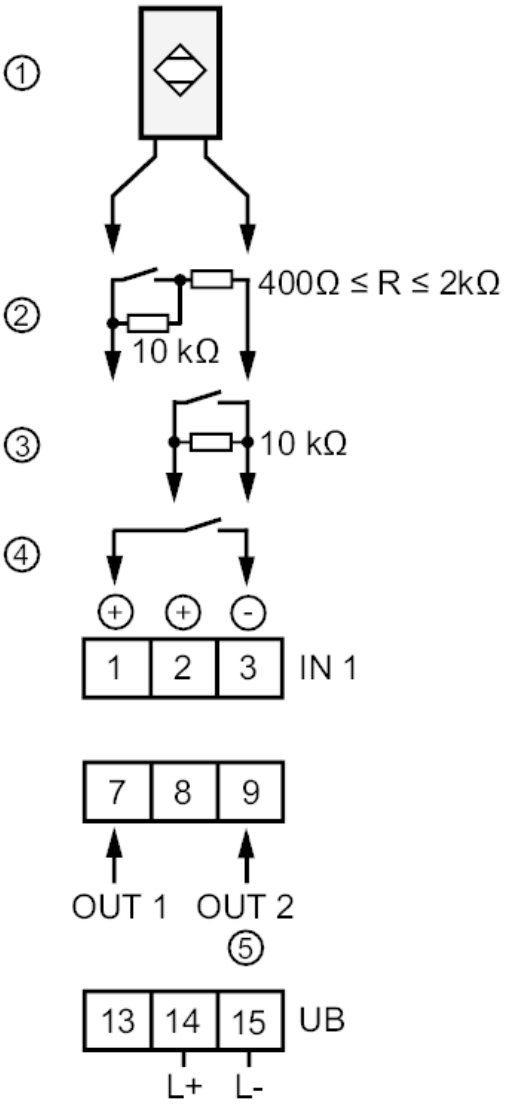
Electrical connection

terminals: ...2.5 mm²

Connection



Other data

Maximum values for control circuit

in protection rating intrinsic safety	[Ex ia Ga] IIC	[Ex ia Ga] IIB	[Ex ia Ga] IIA	[Ex ia Ma] I
Voltage [V]	10.5	10.5	10.5	10.5
Current [mA]	17.1	17.1	17.1	17.1
Power [mW]	45	45	45	45
External inductance [mH]	121.5	486.3	972.7	1000
or Lo/Ro [mH/Ω]	0.79	3.16	6.33	10.39
External capacitance [µF]	2.41	16.8	75	95